

Remedial Investigation

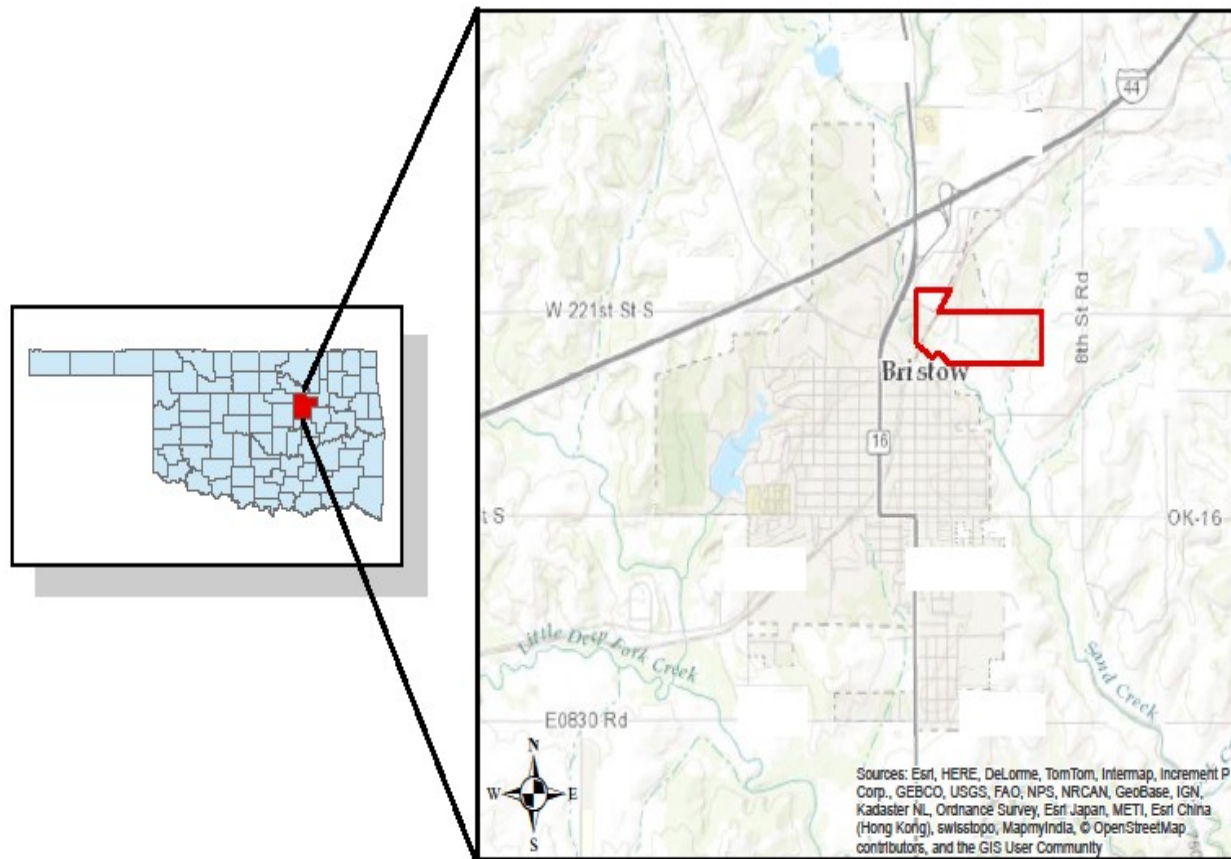
WILCOX OIL COMPANY, BRISTOW, OK

MARCH 15, 2018 [DRAFT 3-9-18]



Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



Site Background

Operation:
Oil Refinery

Activity Period:
1915 through 1963

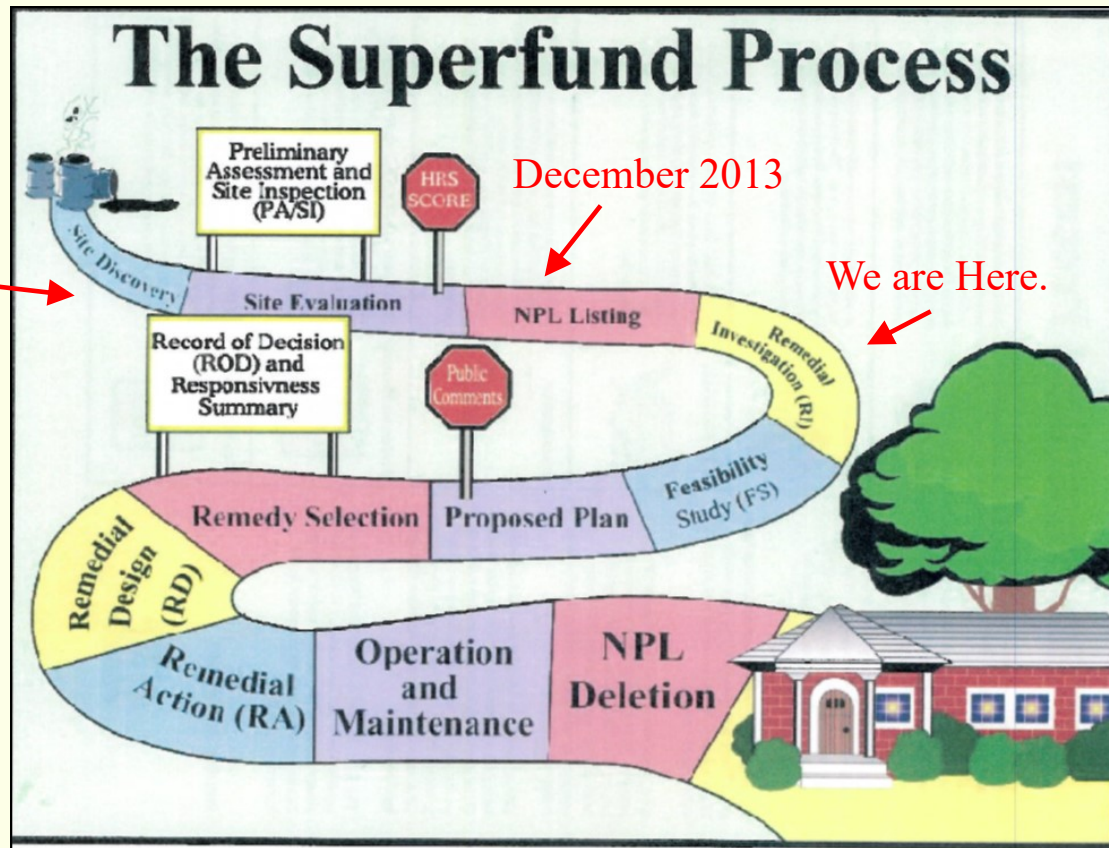
Size:
about 140 to 150
acres

Listed:
December 12, 2013



1950s Aerial Photograph

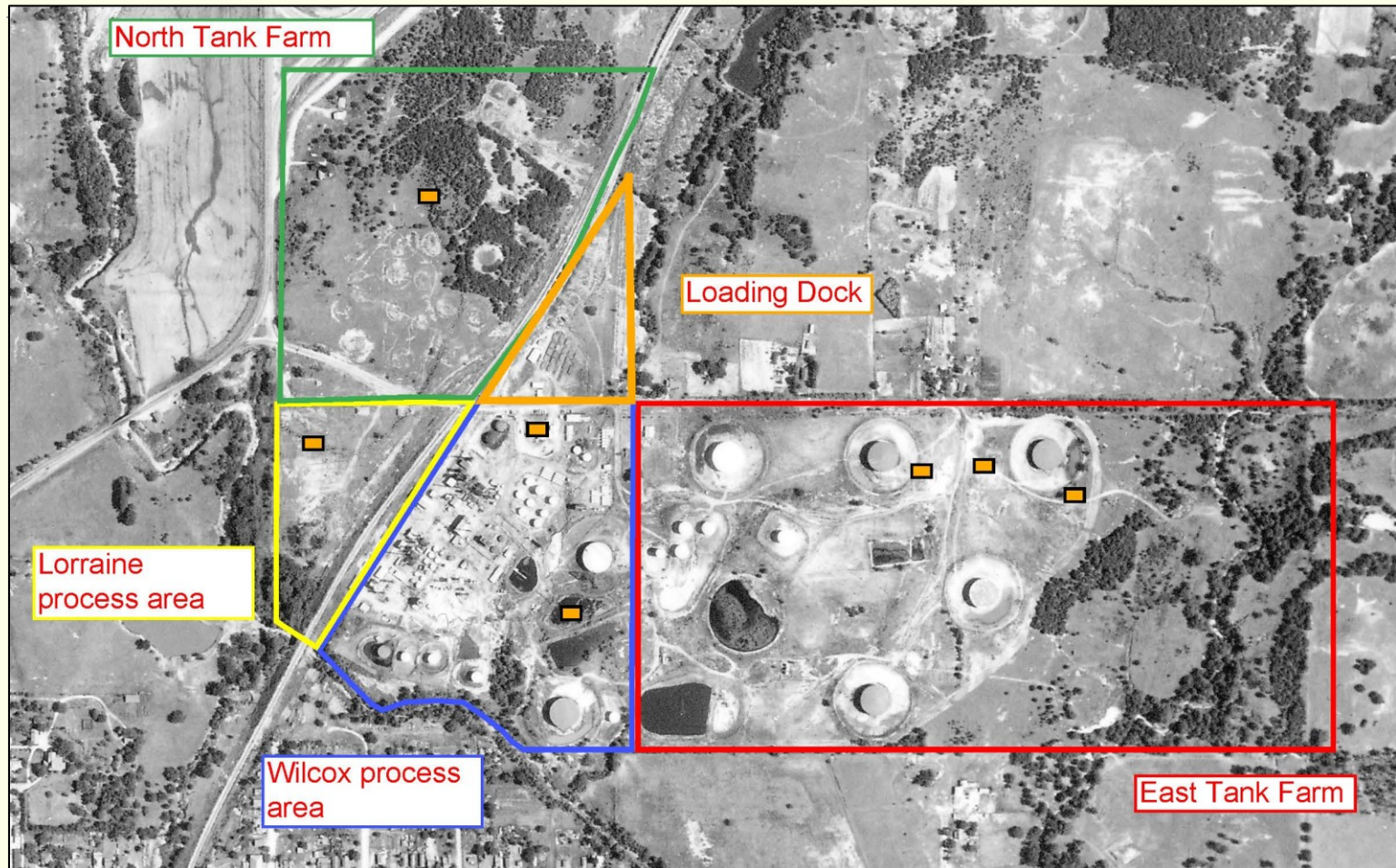
Superfund Process – Project Status



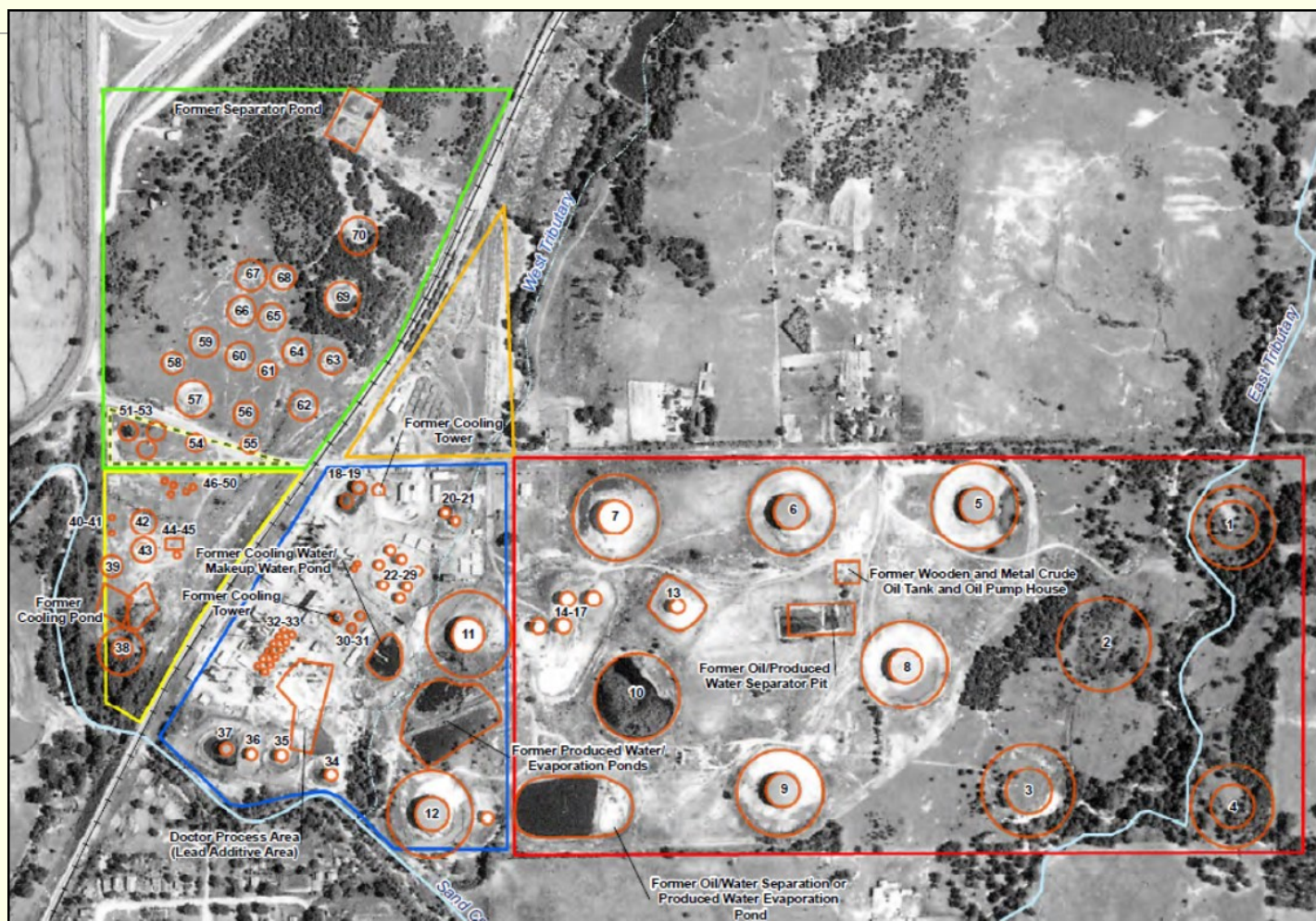
Remedial Investigation-
collect data to:

- Determine Site conditions
- Determine nature of contamination
- Evaluate risk from the Site to human health and environment

Site Remedial Investigation (RI)



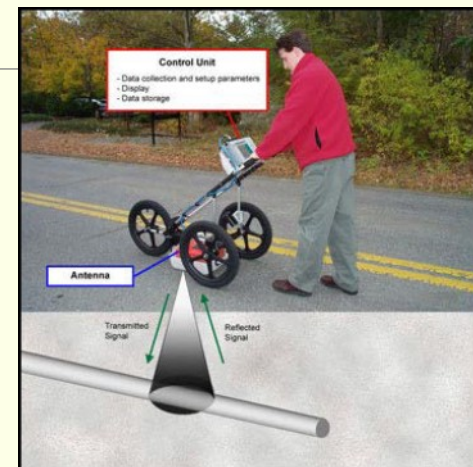
Site Remedial Investigation (RI)



RI Field Work – Phase Approach

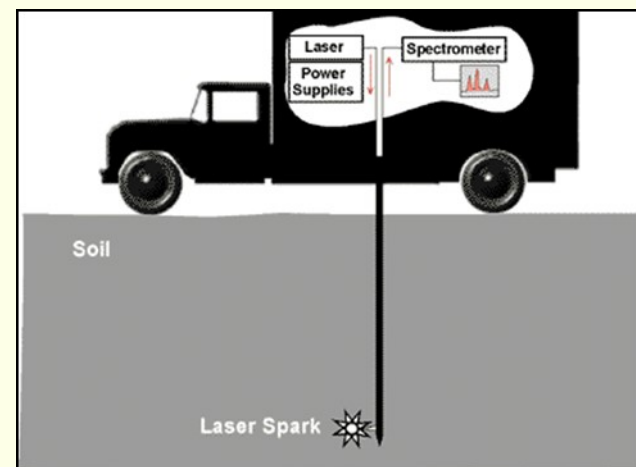
Phase 1 – Site Screen

- Residential Soil and Ground Water Sampling
- Fencing Waste Areas
- Geophysics
- Direct Sensing

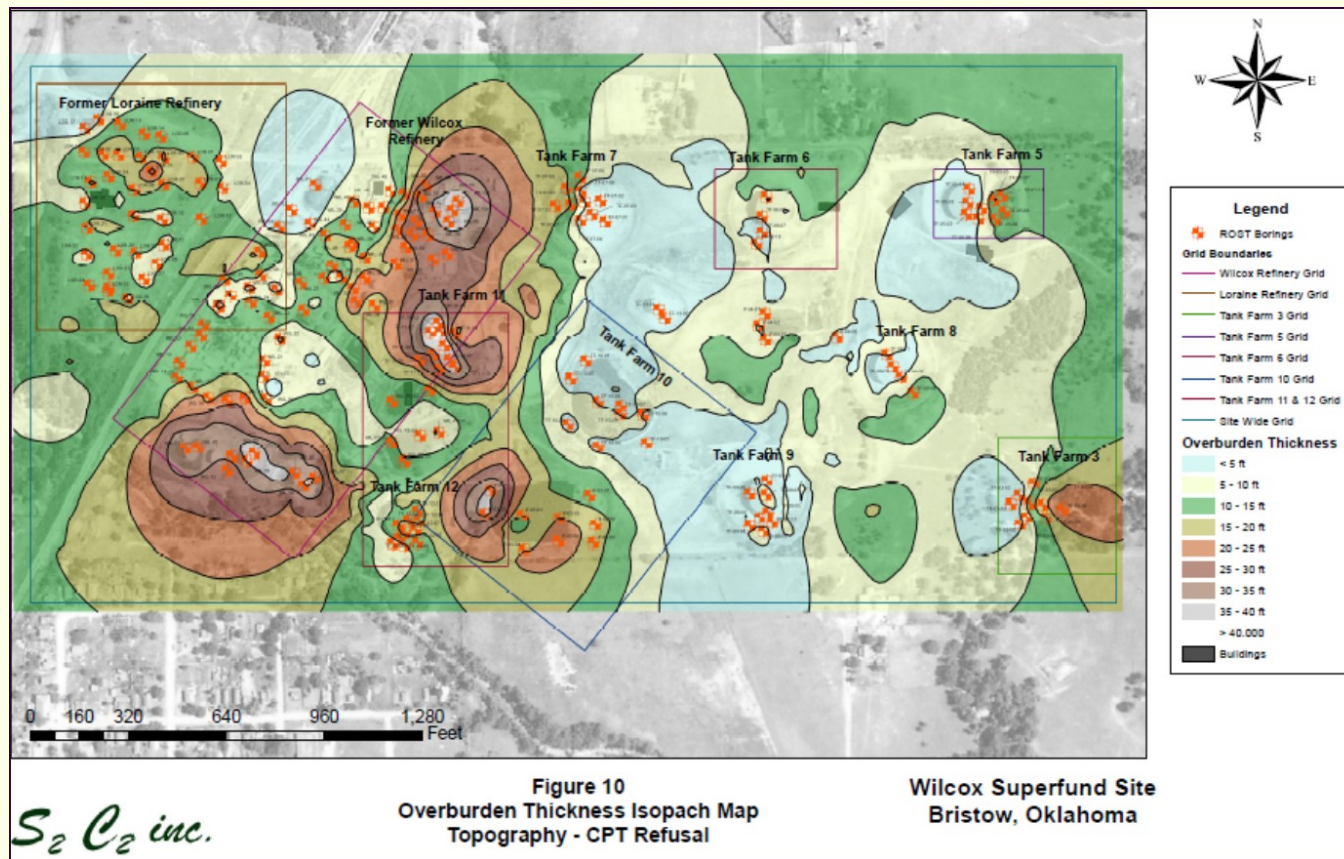


Phase 2 – Data Collection over multiple field events

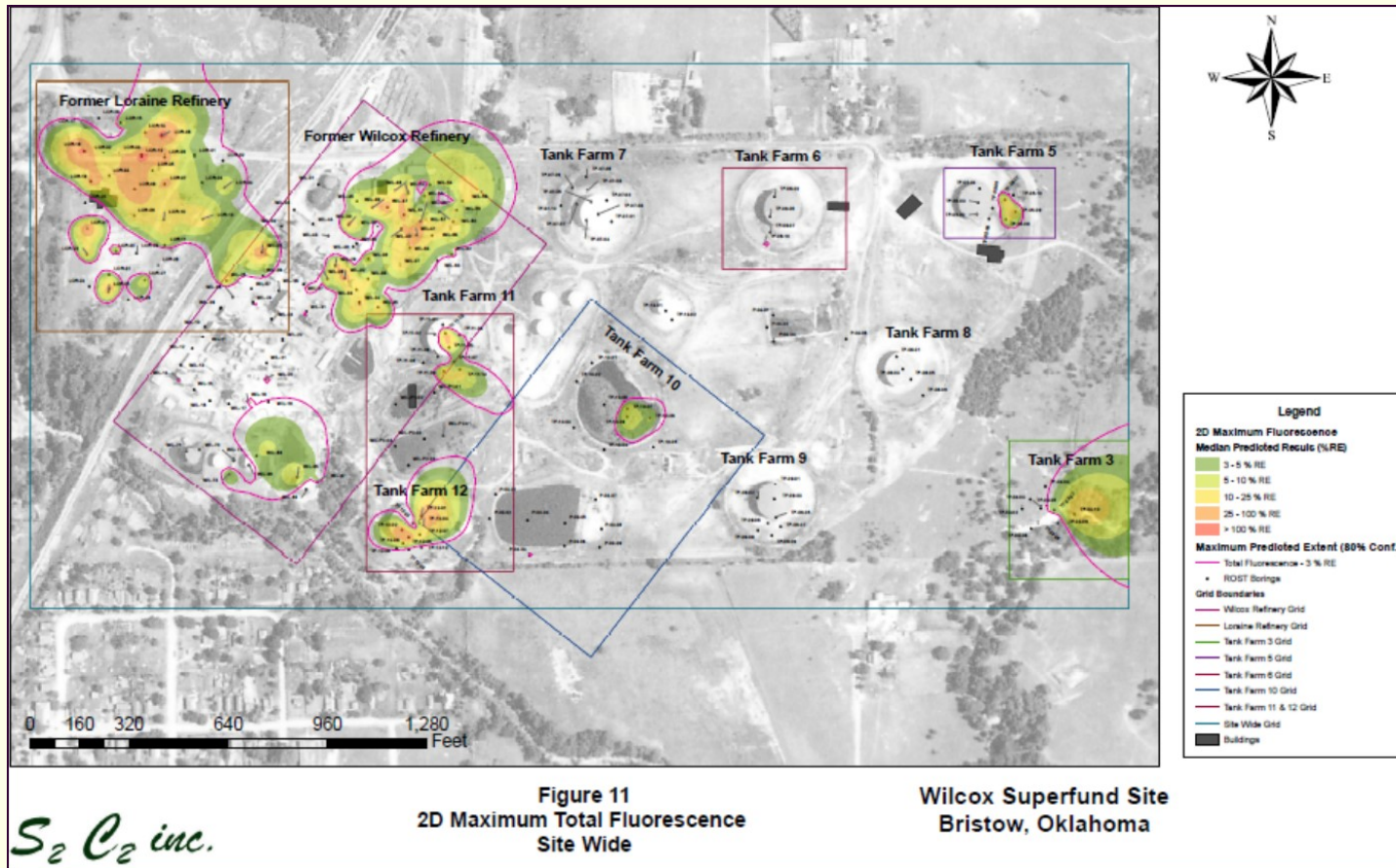
- Sources
- Soils
- Surface water
- Sediment
- Ground water
- Soil gas and indoor air



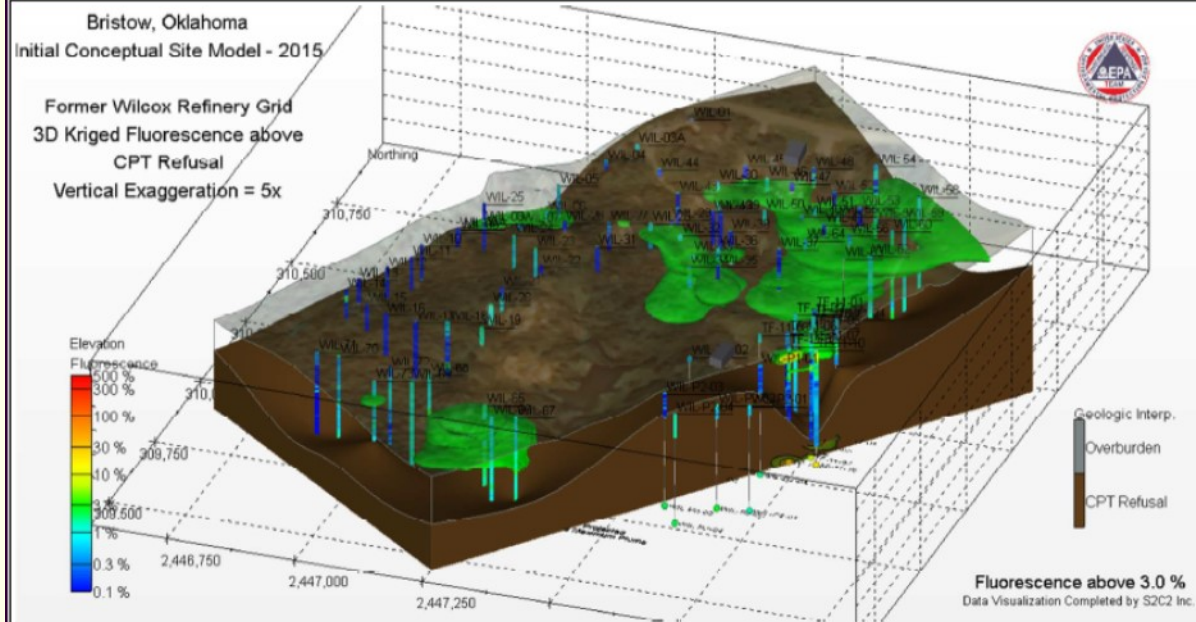
Remedial Investigation - Geophysics



Remedial Investigation – Direct Sensing



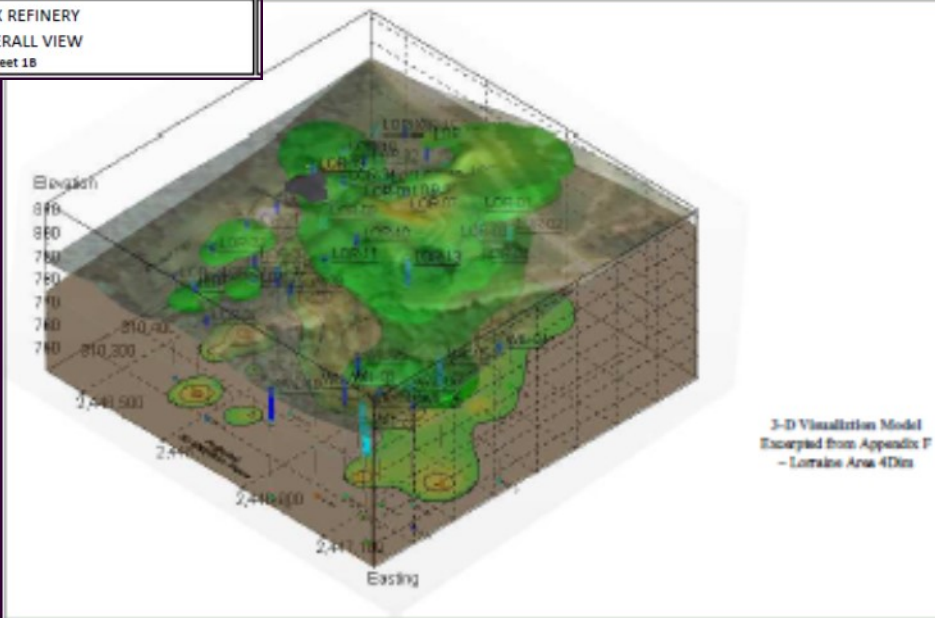
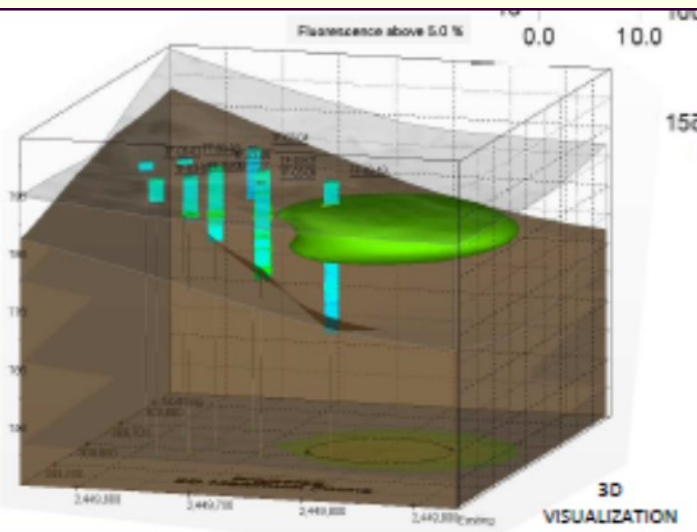
Remedial Investigation – Direct Sensing



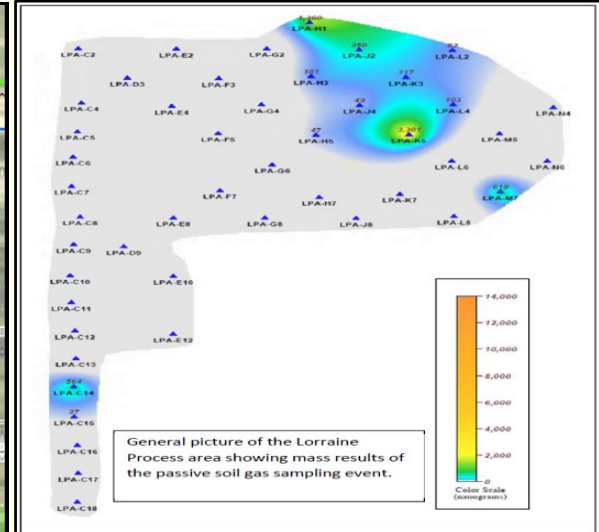
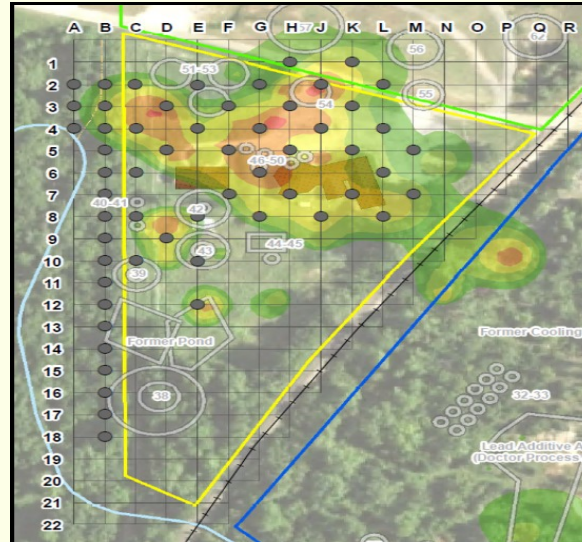
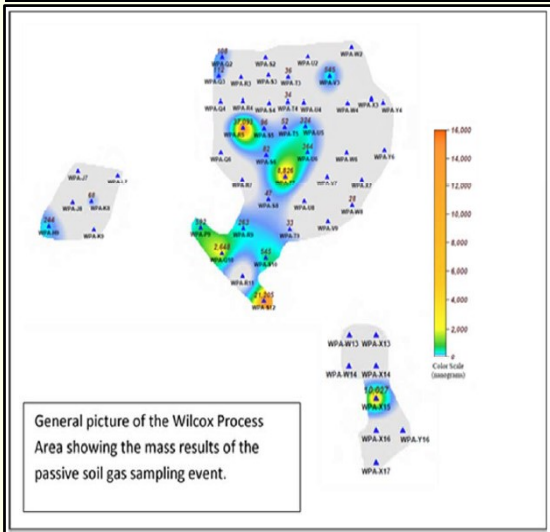
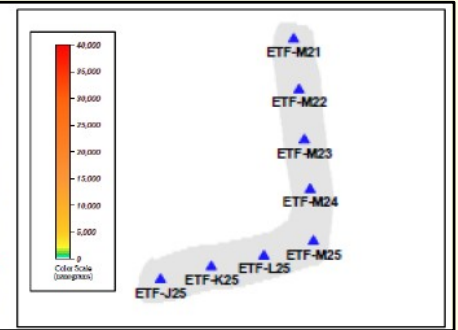
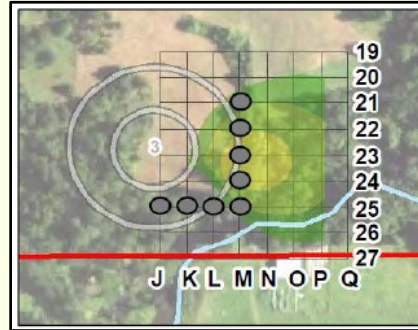
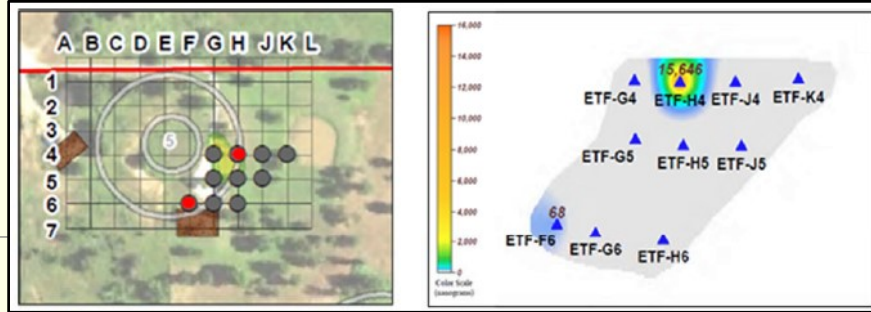
U.S. EPA Environmental Response Team
Scientific Engineering Response and Analytical Services
EP-W-09-031 W.A. 40-277



WILCOX REFINERY
3-D OVERALL VIEW
Sheet 1B



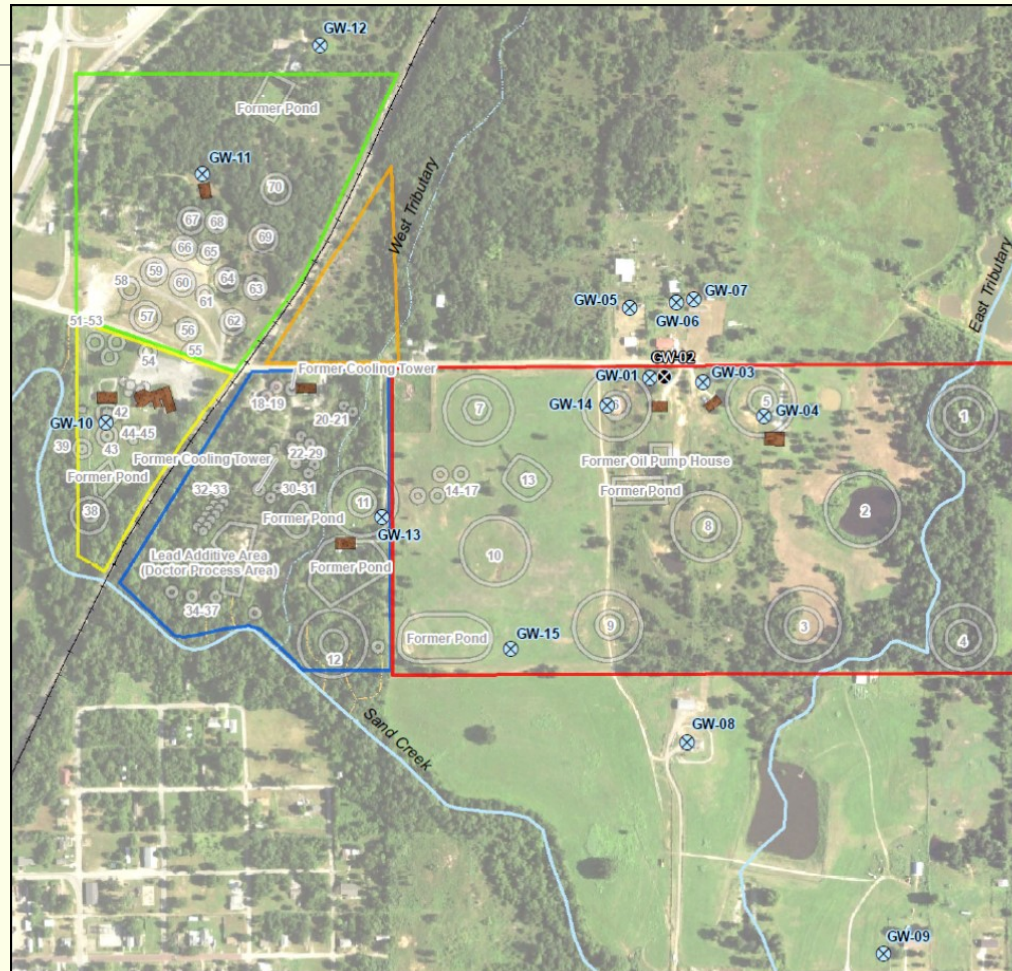
Remedial Investigation – Passive Gas



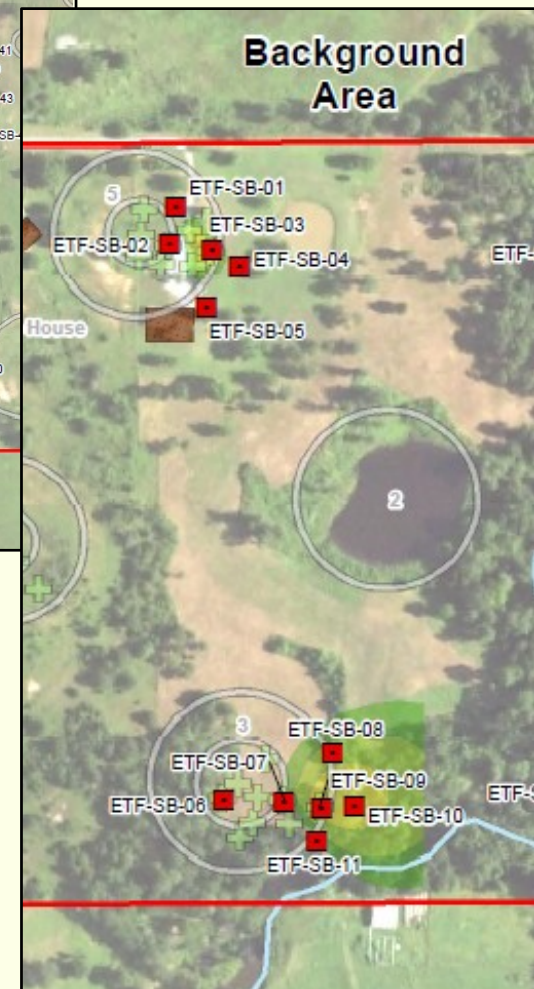
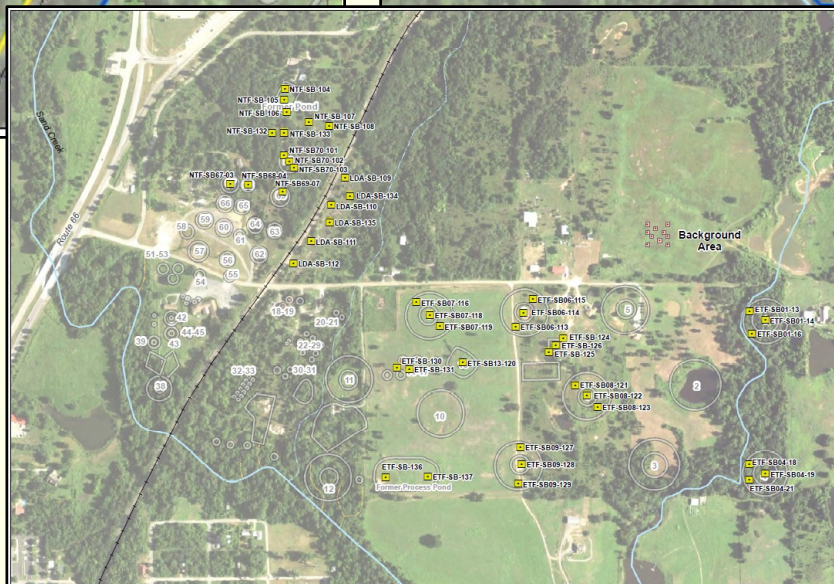
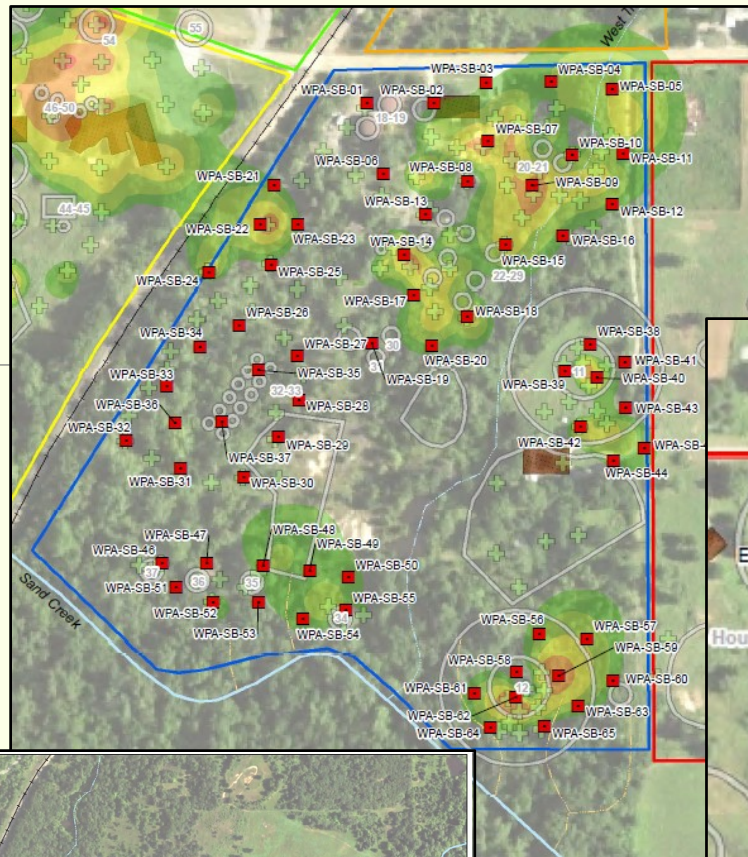
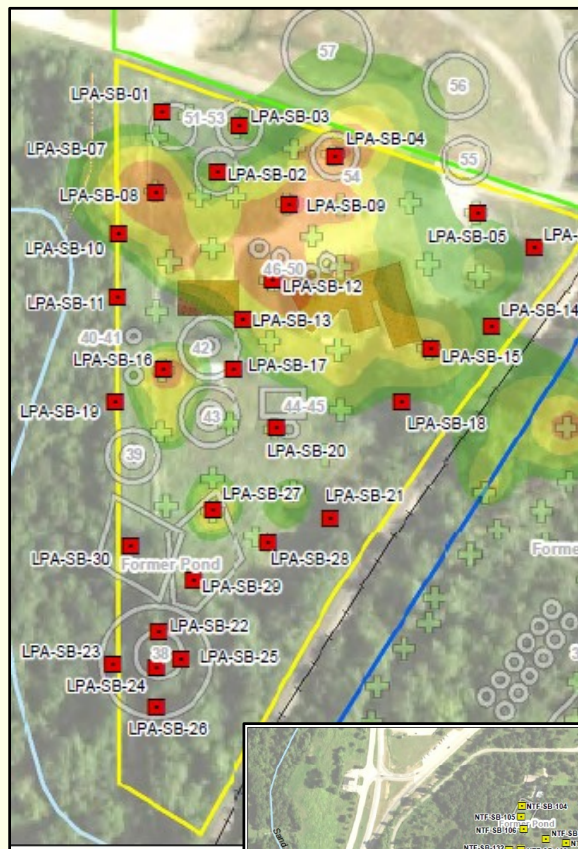
Remedial Investigation – Indoor Air



Remedial Investigation – Ground Water



Remedial Investigation - Soil



Remedial Investigation – Sources

Source Identification

- Tank waste
- Lead Additive Area

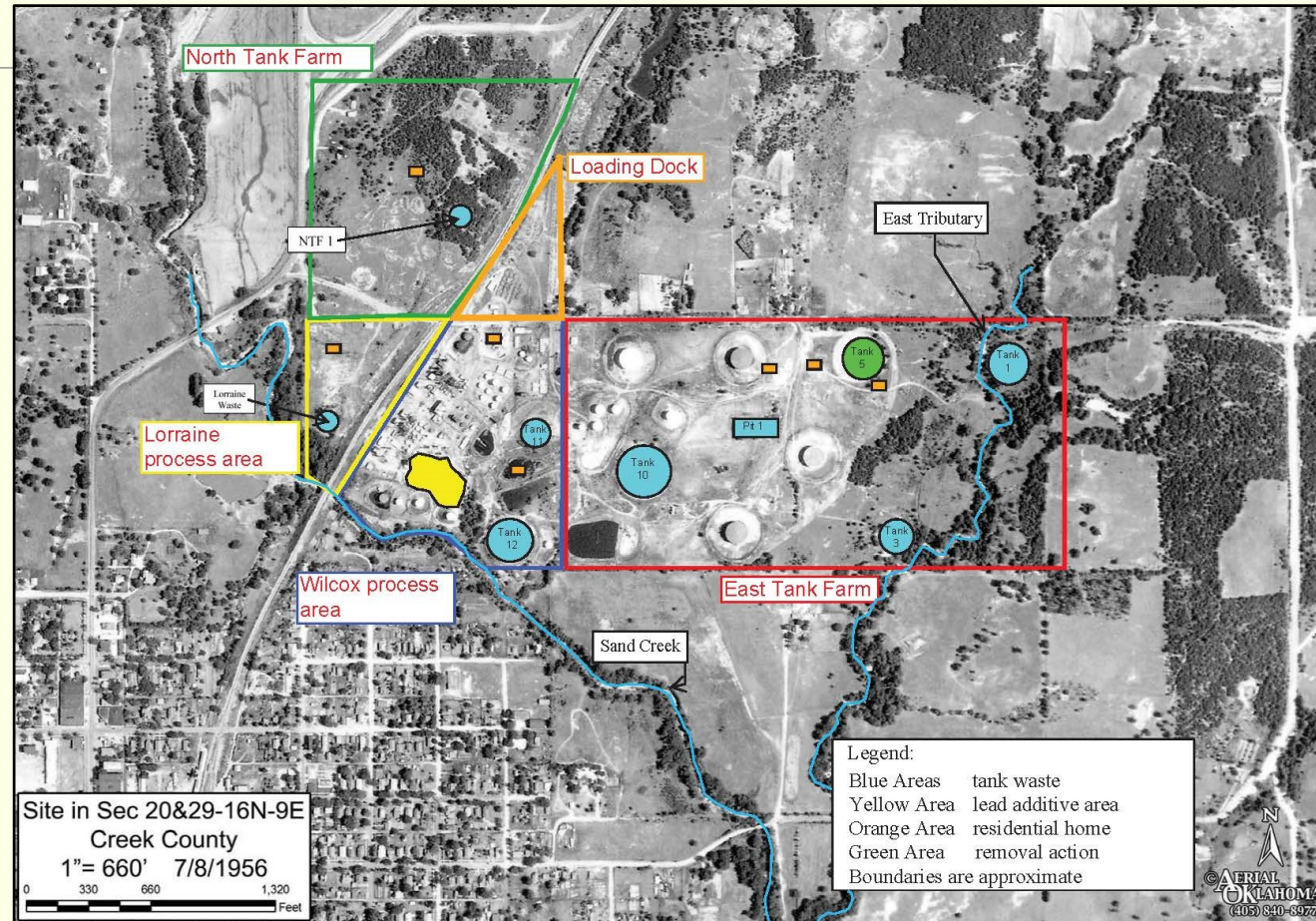


Remedial Investigation - Sources

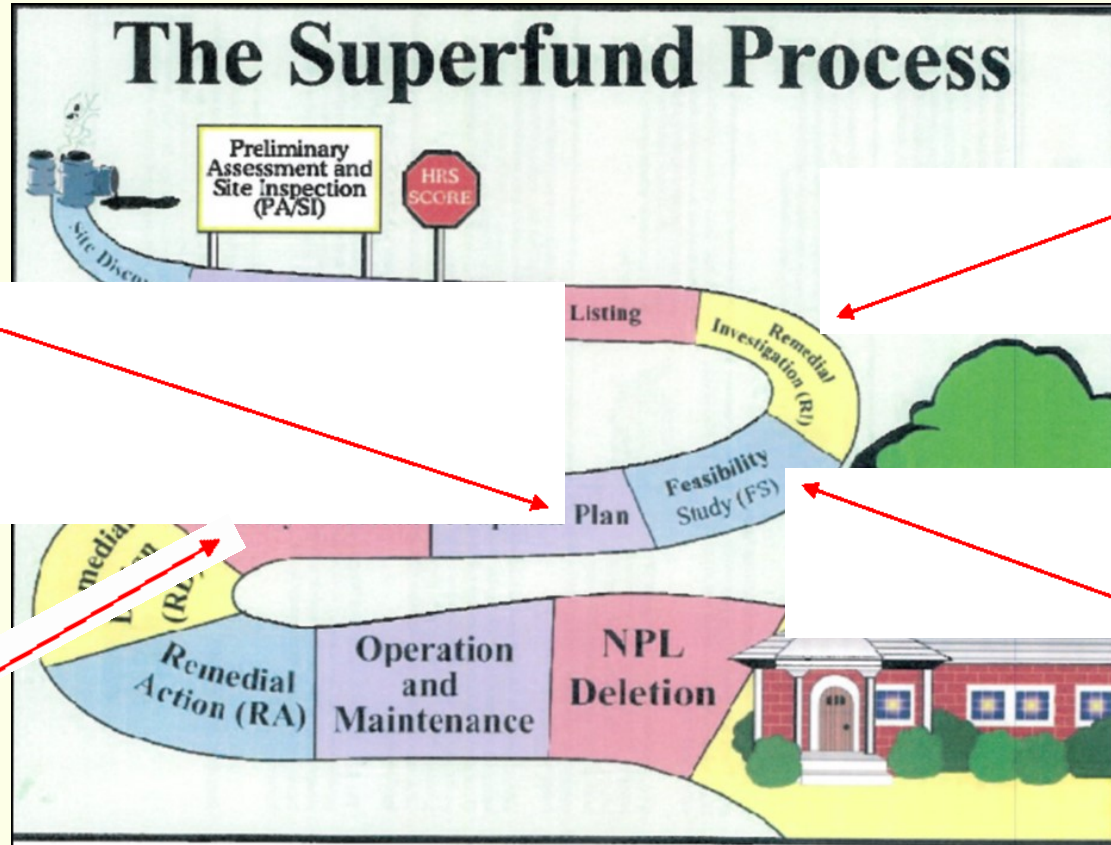
Potential Early Action Proposal:

the agencies are working through and discussing the potential for proposing and early action to address these source areas

Proposal Release: target is Spring 2018.



Future Work



Proposed Plan
to present the
preferred clean
up option to
the public
(2020)

We are Here.

Record of
Decision to
establish the
Site clean up
(2021)

Feasibility Report
to summarize
clean up options
(2020)

Community Involvement

Site documents can be found at:

- Bristow Public Library
- Oklahoma Department of Environmental Quality

Web Resources

- ODEQ: www.deq.state.ok.us/lpdnew/index.htm
- U.S. EPA: <http://www.epa.gov/superfund/wilcox-oil>

Contacts

- | | |
|--|--------------|
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| ◦ EPA, Community Involvement: Bill Little | 214-665-8131 |
| ◦ EPA toll-free number | 800-533-5308 |
| ◦ George Pettigrew, ATSDR | 214-665-8361 |

